

National Center for Health Statistics



National Vital Statistics System

Provisional Death Counts for Coronavirus Disease (COVID-19):

Daily updates of totals by week and state

Provisional Deaths by Week and by State
Provisional Deaths by Demographic and Geographic Characteristics
Excess Deaths Data Visualization
Technical Notes

Updated: May 14, 2020

 Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of May 14, 2020. Death counts are delayed and may differ from other published sources (see Technical Notes). Counts will be updated periodically. Additional information will be added to this site as available.

The provisional counts for coronavirus disease (COVID-19) deaths are based on a current flow of mortality data in the National Vital Statistics System. National provisional counts include deaths occurring within the 50 states and the District of Columbia that have been received and coded as of the date specified. It is important to note that it can take several weeks for death records to be submitted to National Center for Health Statistics (NCHS), processed, coded, and tabulated. Therefore, the data shown on this page may be incomplete, and will likely not include all deaths that occurred during a given time period, especially for the more recent time periods. Death counts for earlier weeks are continually revised and may increase or decrease as new and updated death certificate data are received from the states by NCHS. COVID-19 death counts shown here may differ from other published sources, as data currently are lagged by an average of 1–2 weeks.

The provisional data presented on this page include the weekly provisional count of deaths in the United States due to COVID-19, deaths from all causes and percent of expected deaths (i.e., number of deaths received over number of deaths expected based on data from previous years), pneumonia deaths (excluding pneumonia deaths involving influenza), pneumonia deaths involving COVID-19, influenza deaths, and deaths involving pneumonia, influenza, or COVID-19; (a) by week ending date and (b) by specific jurisdictions.

Table 1 has counts of death involving COVID-19 and select causes of death by the week ending date in which the death occurred. For COVID-19 deaths by week ending date at the state level, [Click here to download](#).

▼ **Table 1. Deaths involving coronavirus disease 2019 (COVID-19), pneumonia, and influenza reported to NCHS by week ending date, United States. Week ending 2/1/2020 to 5/9/2020.***

Updated May 14, 2020

Week ending date in which the death occurred	COVID-19 Deaths (U07.1) ¹	Deaths from All Causes	Percent of Expected Deaths ²	Pneumonia Deaths (J12.0–J18.9) ³	Deaths with Pneumonia and COVID-19 (J12.0–J18.9 and U07.1) ³	Influenza Deaths (J09–J11) ⁴	Deaths with Pneumonia, Influenza, or COVID-19 (U07.1 or J09–J18.9) ⁵
Total Deaths	56,977	846,133	100	79,743	25,097	6,148	116,883
2/1/2020	0	57,526	97	3,705	0	472	4,177
2/8/2020	1	58,128	97	3,702	0	506	4,209
2/15/2020	0	57,468	98	3,730	0	535	4,265
2/22/2020	2	57,495	99	3,600	0	553	4,155
2/29/2020	7	57,769	100	3,713	5	625	4,340
3/7/2020	32	57,350	99	3,794	16	607	4,416
3/14/2020	51	55,812	98	3,778	26	596	4,398
3/21/2020	511	55,916	98	4,285	234	517	5,073
3/28/2020	2,837	58,988	105	5,788	1,287	420	7,710
4/4/2020	8,662	66,754	119	9,159	4,149	445	13,897
4/11/2020	13,883	72,070	130	10,898	6,171	448	18,728
4/18/2020	13,635	67,279	124	9,759	5,887	246	17,573
4/25/2020	10,115	57,948	107	7,537	4,331	128	13,362
5/2/2020	5,484	43,586	80	4,508	2,272	43	7,748
5/9/2020	1,757	22,044	39	1,787	719	7	2,832

NOTE: Number of deaths reported in this table are the total number of deaths received and coded as of the date of analysis and do not represent all deaths that occurred in that period. The United States population, based on 2018 postcensal estimates from the U.S. Census Bureau, is 327,167,434.

*Data during this period are incomplete because of the lag in time between when the death occurred and when the death certificate is completed, submitted to NCHS and processed for reporting purposes. This delay can range from 1 week to 8 weeks or more, depending on the jurisdiction, age, and cause of death.

¹Deaths with confirmed or presumed COVID-19, coded to ICD-10 code U07.1

²Percent of expected deaths is the number of deaths for all causes for this week in 2020 compared to the average number across the same week in 2017–2019. Previous analyses of 2015–2016 provisional data completeness have found that completeness is lower in the first few weeks following the date of death (<25%), and then increases over time such that data are generally at least 75% complete within 8 weeks of when the death occurred (8).

³Pneumonia death counts exclude pneumonia deaths involving influenza.

⁴Influenza death counts include deaths with pneumonia or COVID-19 also listed as a cause of death.

⁵Deaths with confirmed or presumed COVID-19, pneumonia, or influenza, coded to ICD-10 codes U07.1 or J09–J18.9.

▼ Table 2. Deaths involving coronavirus disease 2019 (COVID-19), pneumonia, and influenza reported to NCHS by jurisdiction of occurrence, United States. Week ending 2/1/2020 to 5/9/2020.*

Updated May 14, 2020

Jurisdiction of Occurrence	COVID-19 Deaths (U07.1) ¹	Deaths from All Causes	Percent of Expected Deaths ²	Pneumonia Deaths (J12.0–J18.9) ³	Deaths with Pneumonia and COVID-19 (J12.0–J18.9 and U07.1) ³	Influenza Deaths (J09–J11) ⁴	Deaths with Pneumonia, Influenza, or COVID-19 (U07.1 or J09–J18.9) ⁵
United States ⁶	56,977	846,133	100	79,743	25,097	6,148	116,883
Alabama	290	14,618	93	937	84	87	1,230
Alaska	-	1,034	81	49	-	-	58
Arizona	396	18,648	103	1,351	189	108	1,666
Arkansas	57	9,075	96	629	17	71	740
California	1,882	79,950	98	7,059	1,100	557	8,398
Colorado	843	12,715	108	1,200	471	92	1,659
Connecticut	457	3,436	36	302	106	47	699
Delaware	115	2,477	91	172	45	15	257
District of Columbia	150	1,807	99	274	150	-	281
Florida	1,342	62,838	100	4,696	708	295	5,620
Georgia	883	23,542	94	1,701	399	100	2,285
Hawaii	12	3,277	93	213	-	19	239
Idaho	65	4,135	97	222	20	24	291
Illinois	2,220	34,358	109	3,464	1,186	173	4,668
Indiana	925	19,302	97	1,878	454	124	2,471
Iowa	182	8,607	94	615	37	82	842
Kansas	131	7,590	95	529	59	86	687
Kentucky	206	12,564	86	1,148	109	91	1,336
Louisiana	1,429	13,651	101	1,223	631	68	2,084
Maine	59	4,372	100	353	15	31	428
Maryland	1,274	16,299	109	1,573	476	118	2,474
Massachusetts	3,916	22,048	123	2,951	1,403	155	5,612
Michigan	3,053	32,114	111	3,522	1,503	230	5,298
Minnesota	422	13,280	101	995	128	115	1,403
Mississippi	314	9,429	100	868	140	51	1,093
Missouri	323	17,604	91	1,135	110	170	1,518

Montana	15	2,707	88	157	-	33	203
Nebraska	42	4,520	89	350	10	27	409
Nevada	206	7,399	96	655	164	37	734
New Hampshire	113	3,730	101	268	31	30	379
New Jersey	7,001	31,292	141	5,545	3,501	112	9,147
New Mexico	128	4,970	89	373	62	27	466
New York ⁷	6,981	38,085	128	6,442	3,521	197	10,083
New York City	15,152	37,606	234	8,029	5,723	928	17,589
North Carolina	24	15,304	54	921	-	177	1,113
North Dakota	16	1,743	83	160	-	19	190
Ohio	619	31,715	86	1,973	275	240	2,557
Oklahoma	193	10,149	85	930	76	99	1,143
Oregon	111	9,875	91	530	44	61	658
Pennsylvania	2,164	33,085	80	2,691	848	180	4,184
Rhode Island	195	2,759	87	210	69	24	360
South Carolina	198	14,636	101	899	75	94	1,116
South Dakota	21	2,203	90	172	-	21	205
Tennessee	189	21,209	96	1,595	88	122	1,818
Texas	742	57,248	96	4,294	316	321	5,039
Utah	51	5,570	100	316	17	40	390
Vermont	47	1,753	102	116	11	14	166
Virginia	705	20,958	102	1,264	240	108	1,835
Washington	745	16,242	95	1,402	396	102	1,849
West Virginia	34	5,389	80	400	-	57	484
Wisconsin	327	15,920	101	890	46	147	1,316
Wyoming	-	1,296	97	102	-	-	113
Puerto Rico	93	6,105	72	873	48	36	954

NOTE: Number of deaths reported in this table are the total number of deaths received and coded as of the date of analysis and do not represent all deaths that occurred in that period.

*Data during this period are incomplete because of the lag in time between when the death occurred and when the death certificate is completed, submitted to NCHS and processed for reporting purposes. This delay can range from 1 week to 8 weeks or more, depending on the jurisdiction, age, and cause of death.

¹Deaths with confirmed or presumed COVID-19, coded to ICD-10 code U07.1.

²Percent of expected deaths is the number of deaths for all causes for this week in 2020 compared to the average number across the same week in 2017-2019.

³Pneumonia death counts exclude pneumonia deaths involving influenza.

⁴Influenza death counts include deaths with pneumonia or COVID-19 also listed as a cause of death.

⁵Deaths with confirmed or presumed COVID-19, pneumonia, or influenza, coded to ICD-10 codes U07.1 or J09-18.9.

⁶United States death count includes the 50 states, plus the District of Columbia and New York City.

⁷Excludes New York City.

Understanding the Numbers: Provisional Death Counts and COVID-19

Provisional death counts deliver our most comprehensive picture of lives lost to COVID-19. These estimates are based on death certificates, which are the most reliable source of data and contain information not available anywhere else, including comorbid conditions, race and ethnicity, and place of death.

How it works

The National Center for Health Statistics (NCHS) uses incoming data from death certificates to produce provisional COVID-19 death counts. These include deaths occurring within the 50 states and the District of Columbia. COVID-19 deaths are identified using a new ICD-10 code. When COVID-19 is reported as a cause of death – or when it is listed as a “probable” or “presumed” cause — the death is coded as **U07.1**. This can include cases with or without laboratory confirmation.

Why these numbers are different

Provisional death counts may not match counts from other sources, such as media reports or numbers from county health departments. Our counts often track 1–2 weeks behind other data for a number of reasons: **Death certificates take time to be completed.** There are many steps involved in completing and submitting a death certificate. Waiting for test results can create additional delays. **States report at different rates.** Currently, 63% of all U.S. deaths are reported within 10 days of the date of death, but there is significant variation among jurisdictions. **It takes extra time to code COVID-19 deaths.** While 80% of deaths are electronically processed and coded by NCHS within minutes, most deaths from COVID-19 must be coded manually, which takes an average of 7 days. **Other reporting systems use different definitions or methods for counting deaths.**

Things to know about the data

Provisional counts are not final and are subject to change. Counts from previous weeks are continually revised as additional records are received and processed. **Provisional data are not yet complete.** Counts will not include all deaths that occurred during a given time period, especially for more recent periods. However, we can estimate how complete our numbers are by looking at the average number of deaths reported in previous years. **Death counts should not be compared across jurisdictions.** Some jurisdictions report deaths on a daily basis, while others report deaths weekly or monthly. In addition, vital record reporting may also be affected or delayed by COVID-19 related response activities.

For more detailed technical information, visit the [Provisional Death Counts for Coronavirus Disease \(COVID-19\) Technical Notes](#) page.